

We Claim:

1. A method for cleaning a surface, comprising the steps of:

connecting a cleaning system to a faucet, said cleaning system including a hose member and a dispensing gun, said hose member interconnecting said faucet and said dispensing gun, said dispensing gun containing an inlet, an outlet, and an aspirator, said aspirator having a water inlet, a product inlet, and a use solution outlet, and said faucet containing water from a water source;

turning on said faucet so that water flows from said faucet, through said hose member and into said inlet of said dispensing gun;

activating a first valve in said dispensing gun, said first valve allowing water to flow from said inlet into said water inlet of said aspirator where it mixes with a product from said product inlet and is released from said use solution outlet as a use solution;

spraying said use solution from said use solution outlet onto a surface;

turning off said faucet;

allowing said water to discharge from said hose member and said dispensing gun;

and

disconnecting said hose member from said faucet.

2. The method of claim 1, further comprising the steps of:

before said faucet is turned off activating a second valve in said dispensing gun, said second valve allowing water to flow from said inlet to said outlet, and spraying water from said outlet onto said surface to rinse said use solution from said surface.

3. The method of claim 1, said faucet further comprising an aerator housing and said hose member further comprising a quick connection member, said aerator housing being a first mating member and said quick connection member being a second mating member, wherein said first mating member and said second mating member cooperate to form a quick disconnect assembly, the method further comprising the step of quickly

connecting said first mating member and said second mating member to form said quick disconnect assembly.

4. The method of claim 3, said aerator housing further comprising an outside surface, said outside surface having a detent encircling said outside surface, said quick connection member having means to engage said detent, the method further comprising the step of snapping said quick connection member on to said aerator housing thereby quickly interconnecting said faucet and said hose member.

5. A quick disconnect assembly for use with a cleaning system releasably secured to a faucet, comprising:

a hose member having a first end and a second end;

an aerator housing operatively connected to the faucet; and

a quick disconnect member interconnecting said first end of said hose member and said aerator housing, wherein said quick disconnect member readily releasably secures said first end of said hose member to said aerator housing.

6. The cleaning system of claim 5, wherein said aerator housing includes an outside surface and a detent encircling said outside surface.

7. The cleaning system of claim 6, wherein said quick disconnect member includes a plurality of balls constructed and arranged to releasably engage said detent of said aerator housing.

8. The cleaning system of claim 7, further comprising a movable lock for preventing said balls from disengaging said detent thereby securing said hose member to said faucet.

9. The cleaning system of claim 8, further comprising a dispensing gun having an inlet, said second end of said hose member constructed and arranged to connect to said inlet.

10. A dispensing gun for dispensing water received from a water supply and for dispensing a product diluted in the dispensing gun with water received from the water supply, comprising:

a hose member, said hose member including a channel;

a dispensing gun including a handle, said gun including a water inlet, a water outlet, and a hose receiving member operatively connected to said channel of said hose member, said channel in fluid communication with said water inlet, said gun receiving a water supply via said channel of said hose member;

an aspirator in fluid communication with said channel, said aspirator having an outlet;

a product supply in fluid communication with said aspirator, wherein said aspirator creates a use solution of product diluted with water from said channel, said use solution exiting the outlet of the aspirator;

a first nozzle operatively connected to said water outlet to dispense water from said water outlet; and

a first valve in fluid communication with said water outlet and said first nozzle and a second valve in fluid communication with said aspirator, said first valve controlling flow of water via said channel and said second valve controlling flow of water via said channel through said aspirator, wherein said first valve allows water to flow from said water outlet through said first nozzle, and wherein said second valve allows water to flow from said channel into said aspirator and said use solution created therein to flow through said outlet of said aspirator.

11. The dispensing gun of claim 10, wherein said aspirator is carried by said gun.

12. The dispensing gun of claim 10, further comprising a caddy, wherein said aspirator is carried by said caddy.
13. The dispensing gun of claim 12, wherein said caddy includes a product holder.
14. The dispensing gun of claim 12, wherein said caddy includes an arm for attaching said caddy to a surface such as a ledge of a bathtub.
15. The dispensing gun of claim 10, further comprising a third valve and a second product supply in fluid communication with a second aspirator, said second aspirator being in fluid communication with said channel and having an outlet, wherein said second aspirator creates a use solution of said second product supply diluted with water from said channel, said third valve interconnecting said channel and said second aspirator, said use solution is dispensed from said outlet of said second aspirator, wherein said third valve allows water to flow from said channel into said second aspirator and said use solution created therein to flow through said outlet of said second aspirator.
16. The dispensing gun of claim 15, further comprising a faucet and a quick disconnect assembly, said faucet providing said water supply, and said quick disconnect assembly interconnecting said hose member and said faucet.
17. The dispensing gun of claim 15, wherein said aspirator is carried by said gun.
18. The dispensing gun of claim 15, further comprising a caddy, wherein said aspirator is carried by said caddy.
19. A quick disconnect assembly for use with a cleaning system and a faucet, comprising:  
a hose member having a first end and a second end;

an aerator housing operatively connected to the faucet, said aerator housing having an outside surface and a detent encircling said outside surface; and

a quick disconnect member having a connector and having a plurality of balls constructed and arranged to releasably engage said detent of said aerator housing thereby operatively connecting said aerator housing and said quick disconnect member, said connector interconnecting said first end of said hose member and said quick disconnect member whereby said quick disconnect member readily releasably secures said first end of said hose member to said aerator housing.

20. The quick disconnect assembly of claim 19, further comprising a dispensing and rinsing gun having an inlet, said second end of said hose member being constructed and arranged to connect to said inlet.

21. A method for cleaning a surface, comprising the steps of:

connecting a cleaning system to a faucet having an aerator housing with a detent and a quick disconnect member operatively connected thereto, said cleaning system including a hose member and a dispensing gun, said hose member interconnecting said faucet and said dispensing gun, said dispensing gun containing an inlet and an outlet, said faucet containing water from a water source;

turning on said faucet so that water flows from said faucet, through said hose member and into said inlet of said dispensing gun;

activating a first valve in said dispensing gun, said first valve allowing water to flow from said inlet where it mixes with a product to create a use solution;

spraying said use solution from said outlet onto a surface;

activating a second valve in said dispensing gun, said second valve allowing water to flow from said inlet to said outlet; and

spraying water from said outlet onto said surface to rinse said use solution from said surface.

22. The method of claim 21, said first valve being in fluid communication with an aspirator, said aspirator having a water inlet, a product inlet, and a use solution outlet, said first valve allowing water to flow from said inlet into said water inlet where it mixes with a product from said product inlet and is released from said use solution outlet as a use solution.

23. A system for dispensing water and for dispensing a product diluted with water, comprising:

- a faucet providing a water supply and having an aerator housing;

- a hose member, said hose member including a first end, a second end, and a channel, said water supply flowing through said channel;

- a quick disconnect member interconnecting said first end of said hose member and said aerator housing, wherein said quick disconnect member readily releasably secures said first end and said aerator housing;

- a product supply;

- a dispensing gun having an inlet, said inlet being operatively connected to said second end and in fluid communication with said channel;

- an aspirator having a water inlet, a product inlet, and a use solution outlet, said water inlet being in fluid communication with said channel to receive water from said water supply, said product inlet receiving product from said product supply, said use solution outlet being in fluid communication with said inlet, wherein water flows into said water inlet to draw product in through said product inlet thereby creating a use solution which is dispensed through said use solution outlet; and

- a selector valve operatively connected to said aspirator and said hose member, said selector valve controlling the flow of water through said aspirator.

24. The system of claim 23, said aspirator being housed within said dispensing gun.

25. The system of claim 23, further comprising a caddy, said caddy carrying said product supply.

26. The system of claim 25, wherein said caddy houses said aspirator.

2025-03-14 14:23:01